

§ 110.21 General license for the export of special nuclear material.

(a) Except as provided in paragraph (d) of this section, a general license is issued to any person to export the following to any country not listed in § 110.28:

(1) Low-enriched uranium as residual contamination (17.5 parts per million or less) in any item or substance.

(2) Plutonium containing 80 percent or more by weight of plutonium-238 in cardiac pacemakers.

(3) Special nuclear material, other than Pu-236 and Pu-238, in sensing components in instruments, if no more than 3 grams of enriched uranium or 0.1 gram of Pu or U-233 are contained in each sensing component.

(4) Pu-236 and Pu-238 when contained in a device, or a source for use in a device, in quantities of less than 100 millicuries of alpha activity (189 micrograms Pu-236, 5.88 milligrams Pu-238) per device or source.

(b) Except as provided in paragraph (d) of this section, a general license is issued to any person to export the following to any country not listed in § 110.28 or § 110.29:

(1) Special nuclear material, other than Pu-236 and Pu-238, in individual shipments of 0.001 effective kilogram or less (e.g., 1.0 gram of plutonium, U-233 or U-235, or 10 kilograms of 1 percent enriched uranium), not to exceed 0.1 effective kilogram per year to any one country.

(2) Special nuclear material in fuel elements as replacements for damaged or defective unirradiated fuel elements previously exported under a specific license, subject to the same terms as the original export license and the condition that the replaced fuel elements must be returned to the United States within a reasonable time period.

(c) Except as provided in paragraph (d) of this section, a general license is issued to any person to export Pu-236 or Pu-238 to any country listed in § 110.30 in individual shipments of 1 gram or less, not to exceed 100 grams per year to any one country.

(d) The general licenses in paragraphs (a), (b), and (c) of this section do not authorize the export of special nuclear material in radioactive waste.

(e) Persons using the general licenses in paragraphs (a), (b), and (c) of this section as authority to export special nuclear material as incidental radioactive material shall file a completed NRC Form 7 before the export takes place if the total weight of the shipment exceeds 100 kilograms.

[49 FR 47198, Dec. 3, 1984, as amended at 58 FR 13003, Mar. 9, 1993; 59 FR 48997, Sept. 26, 1994; 60 FR 37563, July 21, 1995]

§ 110.22 General license for the export of source material.

(a) Except as provided in paragraph (e) of this section, a general license is issued to any person to export the following to any country not listed in § 110.28:

(1) Uranium or thorium, other than U-230, U-232, Th-227, and Th-228, in any substance in concentrations of less than 0.05 percent by weight.

(2) Thorium, other than Th-227 and Th-228, in incandescent gas mantles or in alloys in concentrations of 5 percent or less.

(3) Th-227, Th-228, U-230, and U-232 when contained in a device, or a source for use in a device, in quantities of less than 100 millicuries of alpha activity (3.12 micrograms Th-227, 122 micrograms Th-228, 3.7 micrograms U-230, 4.7 milligrams U-232) per device or source.

(b) Except as provided in paragraph (e) of this section, a general license is issued to any person to export uranium or thorium, other than U-230, U-232, Th-227, or Th-228, in individual shipments of 10 kilograms or less to any country not listed in § 110.28 or § 110.29, not to exceed 1,000 kilograms per year to any one country or 500 kilograms per year to any one country when the uranium or thorium is of Canadian origin.

(c) Except as provided in paragraph (e) of this section, a general license is issued to any person to export uranium or thorium, other than U-230, U-232, Th-227, or Th-228, in individual shipments of 1 kilogram or less to any country listed in § 110.29, not to exceed 100 kilograms per year to any one country.

(d) Except as provided in paragraph (e) of this section, a general license is issued to any person to export U-230,